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TO: EPO MUNICH

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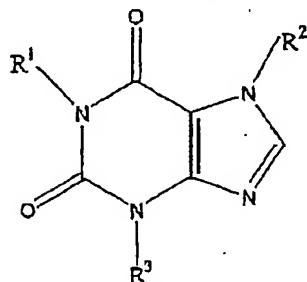
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CLAIMS

1. A method of treating hair comprising the step of
applying to the hair a leave on hair treatment
composition comprising:
5 i) citric acid, tartaric acid, their salts or mixtures
thereof; and
ii) a xanthine, substituted xanthine or mixtures
thereof, wherein the ratio of i) to ii) is from 1:0.01
10 to 0.01:1.

2. A method according to claim 1 in which the xanthine
substituted xanthine ii) of the hair treatment
composition has the following formula:



- 15 in which R^1 , R^2 and R^3 are independently selected from H,
substituted or unsubstituted C_1 - C_5 alkyl groups,
substituted or unsubstituted C_2 - C_5 alkenyl groups, aryl
groups, arylalkyl groups or mixtures thereof,

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3. A method according to claim 2 in which R^1 , R^2 and R^3 of
the xanthine/substituted xanthine ii) are independently
selected from H, C_1 - C_5 alkyl groups, C_2 - C_5 alkenyl or
mixtures thereof.

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4. A method according to claim 3 in which R¹, R² and R³ of
ii) are independently selected from H, methyl groups or
mixtures thereof.
5. A method according to any preceding claim in which the
xanthine derivative ii) is caffeine.
6. A method according to any preceding claim in which the
 α -hydroxy acid and/or its salt if optically active is
in the L-form.
7. A method according to any preceding claim in which the
total amount of acid/salt i) is from 0.1 to 20 wt% in
the total formulation.
8. A method according to any preceding claim in which the
total amount xanthine ii) is from 0.1 to 20 wt% in the
total formulation.
9. A method according to any preceding claim in which the
hair treatment composition further comprises a
surfactant.
10. A method according to any preceding claim, in which the
hair treatment composition further comprises a
cationic, or silicone based conditioning agent.
11. A method according to any preceding claim in which the
hair treatment composition further comprises a styling
agent.

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12. A method according to any preceding claim in which the hair treatment composition comprises an aqueous base.
13. Use of a composition as described in any preceding claim for styling the hair.
14. Use of i) an α -hydroxy acid, its salts or mixture therefor; and ii) a xanthine, substituted xanthine or mixtures thereof for lengthening hair and or decreasing the volume of hair.
15. Use of a i) an α -hydroxy acid its salts or mixtures thereof; and ii) a xanthine, substituted xanthine or mixtures thereof for increasing the high humidity style retention of hair.